

5 **ABSTRACT OF THE DISCLOSURE**

10 The invention discloses a method for making two sided Multi-Chip Modules (MCMs) that will allow most commercially available integrated circuits to meet the thermal and radiation hazards of the spacecraft environment using integrated package shielding technology. The invention describes the technology and methodology to manufacture MCMs that are radiation-hardened, structurally and thermally stable using 3-dimensional techniques allowing for high density integrated circuit packaging in a radiation hardened package.